



SPECIFICATION: WASTEWATER SERVICE LATERAL CONNECTIONS TO HIGH DENSITY POLYETHYLENE (HDPE) WASTEWATER MAIN PIPELINE SHALL BE MADE BY USING AN ELECTROFUSION SIDEWALL SADDLE OR BUTT-FUSION BRANCH SADDLE. MATERIALS USED FOR THE MANUFACTURE OF HDPE SADDLES SHALL BE EXTRA HIGH MOLECULAR WEIGHT, HIGH DENSITY ETHYLENE/HEXENE COPOLYMER PE 3408 POLYETHYLENE RESIN. THE SADDLE SHALL BE A POLYETHYLENE HEAT FUSION SADDLE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM F-1055, AND SHALL BE MANUFACTURED BY GF CENTRAL PLASTICS, OR APPROVED EQUIVALENT. THE SADDLE SHALL INCLUDE A 4-INCH OR 6-INCH OUTLET WITH GASKET DESIGNED AND MANUFACTURED TO ACCOMMODATE THE SPIGOT END OF A 4-INCH OR 6-INCH SERVICE LATERAL PIPE CONFORMING WITH ASTM D 3034, SDR 35, TYPE PSM POLY (VINYL CHLORIDE) (PVC) NON-PRESSURE SEWER PIPE. SADDLES SHALL BE INSTALLED IN ACCORDANCE WITH THE SADDLE MANUFACTURER'S WRITTEN INSTRUCTIONS.

INSTALLATION SHALL BE DONE ONLY BY PERSONNEL WHO HAVE BEEN TRAINED AND QUALIFIED FOR ELECTROFUSION OR BUTT-FUSION OF SIDEWALL SADDLES ONTO THE APPLICABLE SIZED HDPE PIPE. SAID TRAINING AND QUALIFICATION SHALL HAVE BEEN ACCOMPLISHED BY EITHER THE MANUFACTURER OR SUPPLIER OF THE HDPE SADDLE FITTING, OR THE MANUFACTURER OR SUPPLIER OF THE FUSING EQUIPMENT. SAID TRAINING AND QUALIFICATION SHALL HAVE OCCURRED WITHIN THE LAST TWO YEARS (FROM THE DATE OF THE SUBJECT SANITARY SEWER TAP PERMIT APPLICATION, OR FROM THE DATE OF THE CAPITAL PROJECT NOTICE TO PROCEED). SAID TRAINING AND QUALIFICATION SHALL BE DOCUMENTED BY SUBMITTAL, AS A COMPONENT OF THE SANITARY SEWER TAP PERMIT APPLICATION OR CAPITAL PROJECT SUBMITTALS, OF A "QUALIFICATION OF TRAINING" CERTIFICATE OR CARD.



City of Lake Oswego
 Engineering Division
 Erica Rooney, P.E. City Engineer

**SERVICE LATERAL
 CONNECTION TO HDPE PIPE**

WW4-03